

UHF EMBEDDED MODULES



	M600	M620	M630	M650	M670
Frequency	UHF / ETSI/EC (865.6 - 867.6 MHz) / FCC/US (902 - 928 MHz)				
Supported Standards	ISO/IEC 18000-63 (EPC Gen 2v2 UHF)				
Dimension	28 × 28 × 4 mm	55.9 × 35.6 × 6.5 mm	55.9 × 35.6 × 6.5 mm	74.8 × 48.5 × 8 mm	93.5 × 80.3 × 8 mm
TX Power	0...+30 dBm	+5...33 dBm	+5...26 dBm	+5...33 dBm	+5...33 dBm
Reading Distance	Up to 9 meters*		≥ 3 m*	Up to 12 meters*	
Power	3.6...5 Vdc	5 Vdc			
Power Consumption	850 mA max.	1300 mA max.	700 mA max.	1600 mA max.	1700 mA max.
Interfaces	TTL				
Interfaces Connectors	Solder Joints	12 pin SFW12R-1STE1LF		15 pin FPC socket	
Antenna	External, 50 Ohms				
Antenna Connector	Solder Joints	1 × MMCX	2 × MMCX	4 × SMA Socket	8 × SMA Socket
Mounting Option	Solder Joints	4 x M2,5		4 x M3	
Working Modes	Command R/W & Auto-Read UID				
SDK	Command Protocol, C, C#/.NET, Java				

Available Versions - IMPINJ READER ICs - E310 / E510 / E710						
	RF Sensitivity	-73 dBm	-73 dBm	-73 dBm	-72 dBm	-72 dBm
	Reading Rate	≥ 350 tags/s	≥ 350 tags/s	≥ 350 tags/s	≥ 350 tags/s	≥ 350 tags/s
	Applications	Mobile and Desktop Applications / USB-powered Devices / Short Range			Parking / Production Automation	Shelving Systems / Production Line
	Order Code	OEM-UHF-M603-TTL	OEM-UHF-M623-TTL	OEM-UHF-M633-TTL	OEM-UHF-M653-TTL	OEM-UHF-M673-TTL
	RF Sensitivity	-80 dBm	-80 dBm		-78 dBm	-79 dBm
	Reading Rate	≥ 600 tags/s	≥ 600 tags/s		≥ 600 tags/s	≥ 600 tags/s
	Applications	Industrial Applications and Devices / Logistics and Asset Tracking			Industrial Applications, Robotics, Logistics and Asset Tracking	
	Order Code	OEM-UHF-M605-TTL	OEM-UHF-M625-TTL		OEM-UHF-M655-TTL	OEM-UHF-M675-TTL
	RF Sensitivity	-87 dBm	-87 dBm		-85 dBm	-86 dBm
	Reading Rate	≥ 1000 tags/s	≥ 1000 tags/s		≥ 1000 tags/s	≥ 1000 tags/s
	Applications	Demanding Retail & Inventory Applications / Long Range			Demanding Retail & Inventory Applications / Long Range	
	Order Code	OEM-UHF-M607-TTL	OEM-UHF-M627-TTL		OEM-UHF-M657-TTL	OEM-UHF-M677-TTL

* Depending on type of antenna / transponder